

## Claims

1. A valve train of an internal combustion engine comprising at least one camshaft on which at least one cam element (1) is mounted so as to be non-rotatable and axially displaceable, a first cam (4) and at least a second cam (5) being mounted on the at least one cam element (1) and at least two different cam tracks (4.1, 4.2, 5.1, 5.2) being configured on the at least second cam (5), characterized in that the first cam (4) and the at least second cam (5) of a cam element (1) differ from each other in at least one cam track (4.1, 4.2, 5.1, 5.2).
2. The valve train as claimed in claim 1, wherein the first cam (4) and the at least second cam (5) of a cam element (1) differ from each other in all cam tracks (4.1, 4.2, 5.1, 5.2).
3. The valve train as claimed in claim 1 or 2, wherein the cam tracks (4.1, 4.2, 5.1, 5.2) of the first cam (4) and of the least second cam (5) of a cam element (1) differ from each other in lift configuration and/or in phase position.
4. The valve train as claimed in one of claims 1 to 3, wherein the cam tracks (4.1, 4.2, 5.1, 5.2) of a cam (4, 5) differ in that the maximum lift of the lift configuration of one cam track (4.1, 4.2, 5.1, 5.2) is configured outside the lift configuration of the other cam track (4.1, 4.2, 5.1, 5.2).